

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 January 2004 (15.01.2004)

PCT

(10) International Publication Number
WO 2004/006181 A3

(51) International Patent Classification⁷:
G06T 15/00, G08G 1/123

G06K 9/00,

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(21) International Application Number:

PCT/US2003/020225

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 30 June 2003 (30.06.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/395,165

10 Jan 05
10 July 2002 (10.07.2002) US

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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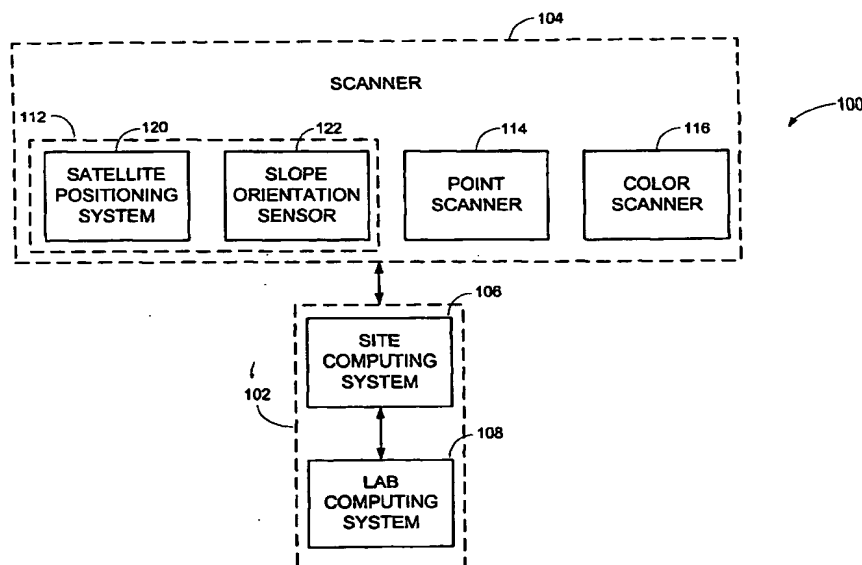
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Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: SYSTEM FOR GENERATING THREE-DIMENSIONAL ELECTRONIC MODELS OF OBJECTS



(57) Abstract: An image generation system (100) for developing three-dimensional electronic models of objects including a scanner (104) and a computing system (102). The scanner may be selectively positioned adjacent to an object in different geographic positions. The scanner may provide scanner position information and image data representative of the object to the computing system. The computing system may generate a three-dimensional electronic model of the object from the image data and the scanner position information. The three-dimensional electronic model may be stored and utilized in other applications, such as an electronic navigational map.

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(88) Date of publication of the international search report:
1 April 2004

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/20225

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06K, 9/00; G06T 15/00; G08G 1/123

US CL : 382/154; 345/419; 340/995.17; 701/213

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 382/154, 103, 104, 106; 345/419, 418, 420; 340/995.17, 995.1, 995.14; 701/213, 207, 200

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST (navigational map, three dimensional, GPS, range, depth, didtance)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,988,862 A (KACTRA et al) 23 November 1999 (26.11.1999), column 3, line 25 to column 5, line 55; column 10, lines 35-44; column 11, lines 49-56; column 15, line 40 to column 23, line 65; Figs 1, 1A, and 2.	1, 4-8, 18, 21-34, 36-39, 41-59
Y		2-3, 9-17, 19-20, 35, 40
Y	US 5,566,073 A (MARGOLIN) 15 OCTOBER 1996 (15.10.1996), the whole document; especially abstract, column 6, lines 7-65, Figs. 1, 3, column 7, line 40 to column 8, line 3.	2-3, 9-17, 19-20, 35, 40

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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Date of the actual completion of the international search

06 January 2004 (06.01.2004)

Date of mailing of the international search report

27 FEB 2004

Name and mailing address of the ISA/US

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